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EPIDEMIC INFLUENZA.**PREVALENCE IN THE UNITED STATES.**

In the Public Health Reports of November 8 was published a table presenting in as brief form as possible a statistical statement of the influenza epidemic in the United States up to and including the week ended November 2, 1918. In the present issue this table has been brought up to date by including the week ended November 9¹ and by making changes in previous figures in accordance with more recent information.

The table is based on telegraphic and mail reports to the Public Health Service. The mortality figures for cities have been checked wherever possible, with reports to the Bureau of the Census. It should be kept in mind that the statement is far from being complete for any locality or State, particularly with respect to cases of influenza. Influenza was not made a reportable disease until the epidemic was well under way in many localities. In perhaps the great majority of localities where the prevalence of the disease was severe, physicians were too busy to make accurate and prompt reports to local health authorities. Furthermore, it must be obvious that the complete and regular collection and forwarding of reports from a large proportion of counties and towns in practically every State was almost impossible under the extraordinary conditions that prevailed. For these reasons city or State totals for any given week are not exact or even more than approximately accurate. In some cases there are reasons to believe that they are far from accurate, and in nearly all instances, it is believed, the reported figures properly may be considered as considerably below the actual ones. Estimates have been employed in a few instances, but when estimates were necessary those reported by local or State health authorities have been used whenever possible.

With these limitations in mind, the following table should be used only as a rough index of the course of the epidemic in various sections of the country. It is presented as a preliminary compilation of such data as are now available, since the present data are being supplemented with information that, it is believed, will be more accurate and complete.

¹ In order to assist States in furnishing reports of influenza, the Public Health Service authorized the sending of daily telegraphic reports of influenza at the expense of the Government. These were usually sent by the cities to the States, which telegraphed the compiled information to the bureau. Owing to the decline in the epidemic in most parts of the country, the sending of such telegrams was stopped, except in a few cases, soon after the first of November. As a result the figures for the last part of the week ended November 9 are frequently missing.

**Cases of Influenza and Deaths from Influenza and Pneumonia (All Forms) as
Reported to the United States Public Health Service.**

NEW ENGLAND STATES.

	Week ending—								
	Sept. 14.	Sept. 21.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.
Maine:									
Number of localities reporting.....			3	1	14	22	47	29	24
Cases.....			1 900	1, 000	4, 168	1, 470	6, 754	1, 667	21, 167
Deaths.....					27	41	187	88	227
New Hampshire:									
Number of localities reporting.....			1	6	8	11	3	1	
Deaths.....				98	393	52	53	4	
Nashua—Deaths.....				13	57	24	14	4	90
Vermont:									
Number of localities reporting.....			(?)	6		98	106		
Cases.....			4 6, 452	4, 722		6, 949	4, 576		
Massachusetts:									
Number of localities reporting.....			(6)	(6)	(6)				
Cases.....			50, 000	45, 400	40, 000				
Boston—Deaths.....	46	265	775	1, 214	1, 027	589	226	137	76
Cambridge.....	7	4	105	140	115	63	21	19	5
Fall River—Deaths.....		9	20	97	201	192	97	140	24
Lowell—Deaths.....	1	8	32	93	141	116	84	30	8
Connecticut:									
Number of localities reporting.....									
Cases.....			7 9, 000	9, 000	930, 000	6 22, 534	6 10, 895	7, 900	
Deaths.....						7 2, 625	1, 229	1, 600	

MIDDLE ATLANTIC STATES.

New York:									
Number of localities (excluding New York City).....				61	61	61	61	55	
Deaths.....				3 395	1, 400	2, 719	3, 253	1, 906	
New York City—									
Cases.....		127	1, 294	7, 197	21, 059	37, 884	30, 736	27, 564	23, 827
Deaths.....			161	739	2, 082	4, 217	5, 158	4, 402	2, 281
New Jersey:									
Cases.....						77, 215	30, 317	11, 537	2, 026
Deaths.....						7 3, 713	1, 557	903	154
Pennsylvania:									
Entire State (excluding Philadelphia—Deaths)				573	1, 765	5, 026	5 5, 210	6, 270	5, 276
Philadelphia—Deaths.....				1, 625	3, 060	4, 218	2, 341	1, 203	375

EAST NORTH CENTRAL STATES.

Ohio:									
State—Cases.....						9 125, 000			
Number of cities reporting cases.....					6	5	70	68	48
Cases.....					4, 402	3, 782	26, 125	17, 044	25, 933
Number of cities reporting deaths.....					18	16	70	68	48
Deaths.....				4 21	311	700	1, 541	1, 613	2794
Indiana:									
Entire State (excluding Indianapolis)—Cases.....						3 16, 170	3 9, 666	6, 081	5, 714
Indianapolis—									
Cases.....					2 1, 510	1, 881	1, 577	605	330
Deaths.....	3	6	10	24	46	128	115	86	61

¹ Total for month of September, 1,544 cases.

² Four days.

³ Five days.

⁴ Total to date for month of September.

⁵ Week ending Oct. 21.

⁶ Estimate for State.

⁷ Total to date.

⁸ Estimated.

Cases of Influenza and Deaths from Influenza and Pneumonia (All Forms) as Reported to the United States Public Health Service—Continued.

EAST NORTH CENTRAL STATES—Continued.

	Week ending—								
	Sept. 11.	Sept. 21.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.
Illinois:									
State—Cases.....				5,185	27,767	37,355	¹ 43,825	² 8,402	.....
Chicago—									
Cases.....				2,210	7,722	12,183	11,846	³ 4,947	.....
Deaths.....			91	417	1,047	2,106	2,367	1,470	738
Michigan:									
State—									
Cases.....						⁴ 11,083	21,541	11,316	.....
Deaths.....						⁴ 258	922	624	.....
Wisconsin:									
Number of localities reporting.....						13	12	10	.....
Cases.....						3,379	4,875	2,655	.....
Milwaukee—									
Cases.....						⁵ 2,117	2,056	918	³ 227
Deaths.....	4	5	13	15	69	113	175	125	95

WEST NORTH CENTRAL STATES.

Minnesota:									
Number of localities reporting.....					47	55	97	⁽⁶⁾
Cases.....			⁷ 108		1,390	6,757	26,853	11,000	.....
Iowa:									
Entire State—									
Cases.....					1,062	17,040	21,117	5,025	3,424
Deaths.....					13	115	184	⁸ 112	.....
Des Moines—									
Cases.....					562	751	542	112	.....
Deaths.....					7	13	8	9	.....
Missouri:									
Number of localities reporting.....					6	16	30	25	12
Cases.....					117	3,619	9,654	6,426	² 5,552
Deaths.....					103	318	692	661	⁶ 229
St. Louis—									
Cases.....		⁽⁹⁾			1,904	4,043	3,890	2,376	2,719
Deaths.....					86	186	233	257	229
St. Joseph—Deaths.....						85	111	50	⁶ 23
Kansas City—Deaths.....	5		10	37	96	168	193	197	⁶ 115
North Dakota:									
Number of localities reporting.....						15	19	9	.....
Cases.....			¹⁰ 10,728		⁽¹¹⁾	¹² 2,777	1,848	1,096	.....
Deaths.....							114	74	.....
South Dakota:									
Entire State—									
Cases.....			77	288	1,496	6,432	6,906	5,747	¹³ 4,718
Deaths.....						88	195	218	¹³ 128
Nebraska:									
Number of localities reporting.....						66	118	⁽¹⁴⁾	⁽¹⁴⁾
Cases.....						¹⁵ 17,000	20,835	13,104	7,540
Deaths.....							1,495	276	136
Omaha—Deaths.....	1		2	7	68	160	147	94	.....
Kansas:									
Number of localities reporting.....				⁽¹⁴⁾	123	126	92	⁽¹⁴⁾	⁽¹⁴⁾
Cases.....			81	1,327	10,569	14,892	12,154	8,205	6,680
Topeka—									
Cases.....			4	25	330		409	165	.....
Deaths.....				1	9		30	12	.....

¹ Oct. 26: Epidemic abating in northern section; at or just beyond crest in southern portion; severe in rural and mining sections. Crest apparently reached in Chicago.

² 38 localities, exclusive of Chicago.

³ Four days.

⁴ Total, Oct. 1-18, inclusive.

⁵ Five days.

⁶ Estimate for entire State. For entire State 475 deaths were reported.

⁷ Total to date. Epidemic reported to be abating.

⁸ For less than 100 localities.

⁹ No outbreak reported on Sept. 19.

¹⁰ Total for September.

¹¹ Cases reported Oct. 1 to 15 for State, 5,833.

¹² For 2 days only.

¹³ For 6 days only.

¹⁴ Entire State.

¹⁵ Estimated.

**Cases of Influenza and Deaths from Influenza and Pneumonia (All Forms) as
Reported to the United States Public Health Service—Continued.**

SOUTH ATLANTIC STATES.

	Week ending—								
	Sept. 14.	Sept. 21.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.
Delaware ¹		(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Maryland:									
Cases.....			³ 1,713	5,302	24,300	.....	10,300	6,376	3,220
Baltimore—									
Cases.....				3,205	9,300	5,227	2,700	600	85
Deaths.....	7	5	19	117	563	1,357	1,073	397	147
District of Columbia:									
Cases.....				⁴ 1,151	9,708	8,105	3,921	1,679	400
Deaths.....	10		38	181	547	606	372	154	45
Virginia:									
Number of localities re-									
porting cases.....			5	7	6	7	⁵ 69	14	.....
Cases.....			651	8,684	9,872	10,065	37,327	8,682	.....
Number of localities re-									
porting deaths.....				1	3	4	69	14	.....
Deaths.....				36	257	339	575	190	.....
Richmond—									
Cases.....				1,643	2,634	4,717	1,415	.....	.....
Deaths.....	4	3	4	41	131	197	128	71	28
West Virginia ⁶ (excluding									
Charleston, Morgantown,									
and nitro plant):									
Number of localities re-									
porting.....						45	39	.....	.....
Cases.....						9,641	3,058	7,170	⁷ 2,031
Deaths.....						101	204	⁸ 405	⁷ 173
Charleston—									
Cases.....			7	94	892	718	345	182	67
Deaths.....				2	29	32	74	50	19
Morgantown—									
Cases.....				134	450	498	323	237	117
Deaths.....					7	8	12	8	7
North Carolina:									
Number of localities re-									
porting.....				29	40	27	52	50	42
Cases.....				1,188	12,080	12,259	10,005	9,886	⁸ 3,863
Deaths.....						361	462	634	⁸ 239
South Carolina:									
Number of localities re-									
porting.....			7	17	50		94	78	.....
Cases.....			510	3,514	17,000	16,837	9,894	3,527	.....
Charleston—									
Cases.....						⁴ 2,393	811	⁸ 208	.....
Deaths.....					41	69	105	⁸ 14	.....
Columbia—Cases.....			2	1,253	4,427	1,500	474	87	6
Greenville—									
Cases.....			25	225	1,615	631	613	166	3
Deaths.....							5	.....	.....
Spartanburg—Cases.....			7	59	188	299	246	190	49
Georgia:									
State—									
Cases.....						6,304	⁸ 9,637	⁴ 4,287	.....
Deaths.....						68	⁸ 308	⁴ 138	.....
Augusta—Cases.....			3	34	371	337	239	254	153
Atlanta—									
Cases.....				14	836	1,594	⁸ 598	368	134
Deaths.....	7		4	7	30	81	101	⁸ 39	34
Columbus—Cases.....				1	450	828	⁸ 590	389	169
Florida:									
Number of localities re-									
porting.....					28	28	28	27	⁷ 10
Deaths ¹⁰					297	428	338	193	⁷ 34
Jacksonville—Deaths ¹⁰					171	192	71	17	⁷ 4

¹ About Oct. 1-15 epidemic apparently highest; since then improving.

² No reports.

³ Total for September.

⁴ For 5 days.

⁵ Except Oct. 26.

⁶ General condition in State improving. Coal-mining districts greatest problem.

⁷ For 3 days.

⁸ For 6 days.

⁹ Pneumonia only.

¹⁰ By date of death; subject to correction.

Cases of Influenza and Deaths from Influenza and Pneumonia (All Forms) as Reported to the United States Public Health Service—Continued.

EAST SOUTH CENTRAL STATES.

	Week ending—								
	Sept. 14.	Sept. 21.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.
Kentucky:									
Number of localities reporting.....			(¹)		(²)	2	4	19	19
Cases.....						4,865	2,128	3,452	2,449
Number of localities reporting deaths.....						6	6	19	19
Deaths.....						513	316	290	131
Tennessee:									
Knoxville—									
Cases.....						5,580	1,469	592	256
Deaths.....						58	40	22	18
Memphis—Deaths.....					80	182	166	71	29
Nashville—Deaths.....	2		3	5	129	193	127	54	53
Alabama:									
Number of localities reporting.....			9	35	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Cases.....			260	5,340	12,898	19,891	17,633	5,101	1,990
Birmingham—									
Cases.....					5,000	2,444	(⁶)	166	
Deaths.....	2	2	5	17	61	110	135	85	737
Mississippi:									
Entire State—Cases.....						22,757	23,339	14,450	3,412

WEST SOUTH CENTRAL STATES.

Arkansas:									
State (excluding Little Rock)—									
Cases.....						12,561	12,341	6,864	
Deaths.....							286	188	
Little Rock—Cases.....			33	1,098	3,557	2,844	506	195	94
Louisiana:									
State—Cases.....			1,900		15,494	47,062	50,859	35,205	13,607
New Orleans—									
Cases.....					7,641	17,070	13,810	4,225	724
Deaths.....			3	29	127	447	813	371	158
Oklahoma:									
Number of localities reporting.....				24			28	(¹²)	23
Cases.....				1,249		20,019	16,290	5,611	2,650
Deaths.....								311	
Oklahoma City—									
Cases.....							383	120	41
Deaths.....					81	79	52	40	9
Texas:									
Cases—State.....						(¹⁵)	(¹⁶)	3,891	
Deaths.....								287	
El Paso—Deaths.....					25	108	184	82	50
Galveston—									
Cases.....					337	340	269		
Deaths.....					10	21	33		

MOUNTAIN STATES.

Montana:									
Number of localities reporting.....							14	(¹²)	(¹⁷)
Cases.....					2,000	3,579	3,524	3,926	

¹ Epidemic in Louisville abating; 1,000 in all.

² 312 cases on hand in Louisville.

³ To date.

⁴ For State.

⁵ Epidemic reported to be "about spent."

⁶ No report.

⁷ Influenza only.

⁸ For 6 days.

⁹ Estimated number of cases based upon number of physicians reporting, approximately 38,000 for week ended Nov. 2.

¹⁰ For 3 days.

¹¹ Estimated.

¹² For entire State.

¹³ Epidemic stated to be probably at height.

¹⁴ Improvement in some sections; spread in rural sections noted. Figures are for 4 days.

¹⁵ 33,578 cases in 121 counties to date.

¹⁶ 72,210 cases and 1,367 deaths to Oct. 24.

¹⁷ Incomplete report for state.

¹⁸ Estimate for State.

¹⁹ Reported for State.

**Cases of Influenza and deaths from Influenza and Pneumonia (All Forms) as
Reported to the United States Public Health Service—Continued.**

MOUNTAIN STATES—Continued.

	Week ending—								
	Sept. 14.	Sept. 21.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.
Idaho:									
Number of localities re-									
porting.....					1	15	9	9	7
Cases.....					43	390	1,772	1,039	² 369
Deaths.....						5	12	31	² 25
Wyoming:									
State—									
Cases.....			³ 6,506			⁴ 2,500	⁵ 1,514	⁶ 840	
Deaths.....						65			
Colorado:									
Number of localities re-									
porting.....		1	1	2	5	10			
Cases.....						635	⁷ 3,552	4,804	² 2,080
Deaths.....				9	26	125	⁷ 612	411	² 200
Denver County—Deaths.					89	250	240	177	162
New Mexico:									
Number of localities re-									
porting.....				6	13		20	20	19
Cases.....				152	601	6,775	⁸ 3,522	4,362	¹⁰ 2,128
Deaths.....				2	45	194	348	508	¹⁰ 221
Arizona:									
Cases.....				260	1,016	3,530	2,320	1,491	¹⁰ 925
Deaths.....					5	72	239	121	¹⁰ 35
Utah:									
Number of localities re-									
porting.....							¹¹ 2	¹¹ 2	2
Cases.....							864	992	¹⁰ 279
Deaths.....							73	85	¹⁰ 47
Nevada:									
Entire State—									
Cases.....							369	381	¹² 106
Deaths.....							24	25	¹² 23

PACIFIC STATES.

Washington:									
Entire State—									
Cases.....						5,580	7,339	10,028	¹⁰ 1,715
Deaths.....							268	255	¹⁰ 55
Seattle—									
Cases.....					2,652	2,169	2,215	2,181	¹⁰ 600
Deaths.....				3	33	77	158	104	85
Oregon:									
Entire State—									
Cases.....			(¹³)			2,330	¹⁴ 2,745	3,760	4,615
Deaths.....						32	122	222	204
Portland—									
Cases.....						879	¹⁴ 1,119	1,354	2,092
Deaths.....						15	86	142	156
California:									
Entire State—Cases.....			57	505	4,501	28,315	42,934	27,000	20,000
San Francisco—									
Cases.....			10	26	486	4,168	8,682	7,168	² 1,302
Deaths.....	6	14	15	15	19	130	553	738	414

¹ Incomplete.

² For 4 days.

³ Total to date.

⁴ Total on Oct. 16.

⁵ Incomplete. On Oct. 23 epidemic reported as subsiding except in districts recently invaded.

⁶ For 5 days.

⁷ For entire State, 6 days. Reported that epidemic abating east of mountains, but at its height in and west of mountains, and serious in mining sections.

⁸ For 5 days.

⁹ Improvement in larger towns; epidemic spreading to rural sections.

¹⁰ For 3 days.

¹¹ Five days, for Ogden and Salt Lake City.

¹² For 2 days.

¹³ No cases to report.

¹⁴ Except for Oct. 25.

From the beginning of the epidemic to and including November 9 a grand total of approximately 129,000 deaths from influenza and pneumonia (all forms) had been reported to the Public Health Service.

The following paragraphs summarize data received from November 10 up to and including November 14:

California.—The prevalence of influenza has been greatly reduced in cities, but the disease is still prevalent in some rural districts. It is not prevalent generally. Los Angeles is still reporting about 500 cases a day, but the general trend is downward. (Preceding statement made November 12.)

Illinois.—On November 14 it was stated that the northern and central sections were practically free from influenza, but that the southern section, especially coal-mining regions, was still seriously affected.

Kansas.—The epidemic was stated on November 12 to be appreciably declining except in the extreme and central western counties of the State, where it is at its height.

Maine.—It was stated on November 13 that the epidemic was on the wane.

Maryland.—Information received on November 11 is to the effect that the course of the epidemic has been along the line of travel, present cases occurring in the rural districts. The virulence of the disease is believed to have been greatest in the places first attacked.

Massachusetts.—On November 12 it was stated that the Boston epidemic had practically subsided, but that numerous cases were expected to be reported for a considerable period, perhaps for the entire winter.

New Jersey.—It was stated on November 11 that the disease was still unusually prevalent in New Jersey, but that there had been a marked decrease in the number of cases reported.

Oklahoma.—On November 11 it was stated that the disease practically did not exist in epidemic form at that time, that the cases then being reported were scattered widely.

South Carolina.—Marked and continuous improvement was reported on November 9 from South Carolina. The State quarantine against the disease has been lifted.

PUBLIC HEALTH ADMINISTRATION IN NEW MEXICO.

By J. W. KERR, Surgeon, United States Public Health Service.

In order to promote efficiency in health matters during and after the war, a survey of sanitary organization and administration in New Mexico was begun under department orders of September 16, 1918. For this purpose the existing laws were analyzed, conferences were had with State and local health authorities, and inspections of